OM protein - protein search, using sw model

April 28, 2003, 13:52:01; search time 25 Seconds (Without alignments) 2958.392 Million cell updates/sec Run on:

US-09-497-822C-19 4912 1 MEVQLGLGRVYPRPPSKTYR.....SVQVPKILSGKVKPIYFHTQ 923 Perfect score:

Sequence:

Scoring table:

BLOSUM62 Gapop 10.0 , Gapext 0.5

Total number of hits satisfying chosen parameters:

301932 seqs, 80129803 residues

Searched:

.301932

Minimum DB seq length: 0 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Database :

1: /cgn2_6/ptodata//pubpaa/USOB_NEW_PUB.pep:*
2: /cgn2_6/ptodata//pubpaa/USOB_NEW_PUB.pep:*
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7: /cgn2_6/ptodata//pubpaa/USOB_USECOMB.pep:* Published_Applications_AA:*

/cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep:*/cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*/cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Sequence 13, Appl Sequence 11, Appl Sequence 20, Appl Sequence 21, Appl Sequence 2, Appl Sequence 1, Appli Sequence 2, Appli Sequence 3, Appli Sequence 13, Appli Sequence 14, Appli Sequence 2, Appli Sequence 2, Appli Sequence 4, Appli Sequence 1, Appli Sequence 4, Appli Appli Appli Sequence 2, Sequence 12, Sequence 30, Sequence 2, Description US-10-008-739A-2 US-09-997-267-2 US-09-997-267-4 US-09-887-280-4 US-09-887-280-4 US-09-905-176-13 US-09-905-176-11 US-09-905-176-11 US-09-905-176-11 US-09-983-450-20 US-10-022-092-31 US-10-096-710-1 US-10-091-563-2 US-10-052-092-9 US-10-052-092-13 US-10-052-092-14 US-09-933-267A-2 US-10-052-092-12 US-10-052-092-12 US-10-052-092-12 SUMMARIES 10 Query Match Length DB 16.0 114.8 113.6 112.9 10.2 9.8 9.7 Score 4319 2029.5 1493.5 1243 Result Ş. 8 110 113 113 114 116 118

	Sequence 93, Appl Sequence 86, Appl Sequence 91, Appl Sequence 98, Appl Sequence 92, Appl		Sequence 64, Appl Sequence 67, Appl Sequence 66, Appl Sequence 66, Appl Sequence 68, Appl Sequence 73, Appl Sequence 73, Appl	42 42
9 US-10-198-785-2 10 US-09-965-703-61 9 US-09-909-556-2 10 US-09-909-556-2	10 US-09-93-386-93 10 US-09-919-497-86 10 US-09-853-386-91 10 US-09-853-386-98 10 US-09-853-386-92	10 US-09-853-386-94 10 US-09-965-703-63 9 US-09-042-488B-9 10 US-09-853-386-65 10 US-09-853-386-96	10 US-09-833-386-67 12 US-10-005-169-2 10 US-09-853-386-66 10 US-09-853-386-68 10 US-09-853-386-73 12 US-10-005-169-4	
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437.5 407.5 398.5 398.5 344.5	343.53 342 342 39.52	33.7 33.8 33.6 33.6 33.6 33.6	330.5 330.5 330 330 330 330 330	325.5 321 317.5 317.5 316
20 21 23 24	225 225 287 287	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	3 3 3 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	41 43 44 45

ALIGNMENTS

GENERAL INFORMATION:
APPLICANT: Pfizer Inc.
APPLICANT: Castleberry, Tessa A.
APPLICANT: Lu, Bihong A.
APPLICANT: Lu, Bihong A.
TITLE OF INVENTION: The Canine Androgen Receptor
FILE REFERENCE: PC10893AGPR
CURRENT APPLICATION NUMBER: US/10/008,739A
CURRENT FILING DATE: 2002-04-15
NUMBER OF SEQ ID NOS: 2
SOFTWARE: Patentin version 3.1 Query Match 87.9%; Score 4319; DB 9; Best Local Similarity 87.3%; Pred. No. 8.3e-236; Matches 822; Conservative 20; Mismatches 46; Sequence 2, Application US/10008739A Patent No. US20020161194A1 ; ORGANISM: Canine US-10-008-739A-2 SEQ ID NO 2 US-10-008-739A-2 TYPE: PRT

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61 QQQQQQQQQQQQQQQQQQQQQTTSPR-QQQQQGEDGSPQAHRRGPTGY.VLDEEQQPS 119 120 OPQSALECHPERGCVPEPGAAVAASKGLPQQLPAPPDEDDSAAPSTLSLLGPTFPGLSSC 179 162 221 180 SADLKDILSEASTMQLL-------QQQQQEAVSEGSSSGRAREASGAPT 54; Length 907; Indels ò g οy qq οy qq δ

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VDGLKNOKFFDELRMNYIKELDRIIACKRKNPTSCSRRFYQLTKLLDSVQPIARELHQFT 881
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                                                                                                461 DG-------GSVAPYGYTRPPQGLAGQEGDFPPDDWYPGGVVSRVPFPSPS 505
                                                                                                                                                                                                                 CVKSEMGPWMDSYSGPYGDMRLETARDHVLPIDYYFPPQKTCLICGDEASGCHYGALTCG 581
                                                                                                                                                                                                                              AALLSSLNELGERQLVHVVKWAKALPGFRNLHVDDQMAVIQYSWMGLMVFAMGWRSFTNV 761
                                                                                                                                                                       GGGGGGGGGGGGGEAGAVAPYGYTRPPQGLAGQESDFTAPDVWYPGGMySRVPYPSPT 521
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                                          RPTPCAPLAECKGSLLDDSAGKSTEDTAEYSPFKGGYTKGLEGESLGCSGSAAAGSSGTL
                                                                                   342 ELPSTLSLYKSGALDEAAAYQSRDYYNFPLALAGPPPPPPPPPPHPHARIKLENPLDYGSAW
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TITLE OF INVENTION: HUMAN ANDROGEN RECEPTOR VARIANTS
FILE REFERENCE: SCH-1793
CURRENT APPLICATION NUMBER: US/09/997,267
CURRENT APPLICATION NUMBER: 60/255,078
PRIOR APPLICATION NUMBER: 60/255,078
PRIOR APPLICATION NUMBER: 5001-11-30
PRIOR PILING DATE: 2000-12-14
NUMBER OF SEQ. ID NOS: 15
SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FDLLIKSHMVSVDFPEMMAEIISVQVPKILSGKVKPIYFHTQ 907
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FDLLIKSHMVSVDFPEMMAEIISVQVPKILSGKVKPIYFHTQ 923
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 2, Application US/09997267
Patent No. US20020165381A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
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LENGTH: 388
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US-09-997-267-2
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                                                                                       SSTTSPTEETTQKLTVSHIEGYECQPIFLNVLEAIEPGVVCAGHDNNQPDSFAALLSSLN 709
                                                                                                                                                                                 PDLVFNEYRMHKSRMYSQCVRMRHLSQEFGWLQITPQEFLCMKALLLFSIIPVDGLKNQK 829
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                                           AAEGKQKYLCASRNDCTIDKFRRKNCPSCRLRKCYEAGMTLGARKLKKLGNLKLQEEGEA
WMDSYSGPYGDMRLETARDHVLPIDYYFPPQKTCLICGDEASGCHYGALTCGSCKVFFKR
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APPLICANT: AHENS-FATH, ISABELLE
TTILE OF INVENTION: HUMAN ANDROGEN RECEPTOR VARIANTS
FILE REFERENCE: SCI-1793
CURRENT APPLICATION NUMBER: US/09/997,267
CURRENT FILING DATE: 2001-11-30
PRIOR APPLICATION NUMBER: 60/255,078
PRIOR APPLICATION NUMBER: 60/255,078
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 4
LENGTH: 294
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
30.4%; Score 1493.5; DB 9
Best Local Similarity 100.0%; Pred. No. 3.9e-77;
Matches 277; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                             ; Sequence 4, Application US/09997267; Patent No. US20020165381A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
CORGANISM: Homo sapiens
US-09-997-267-4
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Length 388 Indels

DB 9;

Score 2029.5; DB (Pred. No. 3.3e-107); Mismatches 1

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41.3%; ilarity 97.2%; Conservative

Similarity

Best_Local Sim. Matches 383;

Query Match

CRGANISM: Homo sapiens US-09-997-267-2

Gaps

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Sequence 13, Application US/09905176
Patent No. US2002015906A1
GENERAL INFORMATION:
APPLICANT: CALIFORNIA INSTITUTE OF TECHNOLOGY
APPLICANT: Debe, Derek A.
TITLE OF INVENTION: METHOD FOR DETERMINING THREE-DIMENSIONAL PROTEIN STRUCTURE FRO
TITLE OF INVENTION: PROTEIN SEQUENCE
FILE REFERENCE: 265/297
CURRENT APPLICATION NUMBER: US/09/905,176
CURRENT FILING DATE: 2002-04-05
PRIOR FILING DATE: 2000-07-12
NUMBER OF SEQ ID NOS: 26
SECTIONS OF SEQ ID NOS: 26
SECTIONS OF SECTION OF SECTI
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                                                                                                                                                                                                                                                                                                                                                                                  747 GLMVFAMGWRSFTNVNSRMLYFAPDLVFNEYRWHKSRMYSQCVRMRHLSQEFGWLQITPQ 806
                                                                                                                                                                                                                                                                                                                                                                                                                633 RKLKKLGNLKLQEEGEASSTTSP----TEETTQKLTVSHIEGYECQPIFLNVLEAIEP 686
                                                                                                                                                                                                                                                                                                           675 PIFLNVLEAIEPGVVCAGHDNNQPDSFAALLSSLNELGERQLVHVVKWAKALPGFRNLHV 734
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 314;
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                                                                                                                                     75; Indels
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                                                                              Score 788; DB 9;
Pred. No. 2.4e-37;
68; Mismatches 75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Pred. No. 4.3e-34
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                                                                                 16.0%;
                                                                         Query Match
Best Local Similarity 49.5:
Matches 146; Conservative
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Matches 131; Conserv
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                        US-09-887-280-4
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Best Local S
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APPLICANT: Salvati, Mark
APPLICANT: Attar, Ricardo M
APPLICANT: Attar, Ricardo M
APPLICANT: Krystek Jr., Stanley R
APPLICANT: Krystek Jr., Stanley R
APPLICANT: Sack, John S
TITLE OF INVENTION: SELECTIVE ANDROGEN RECEPTOR MODULATORS AND METHODS FOR
TITLE OF INVENTION: THEIR IDENTIFICATION, DESIGN AND USE
TITLE OF INVENTION: THEIR IDENTIFICATION, DESIGN AND USE
CURRENT APPLICATION NUMBER: 60/284,438
PRIOR APPLICATION NUMBER: 60/284,438
PRIOR PRILOR DATE: 2001-06-20
PRIOR APPLICATION NUMBER: 60/214,392
PRIOR PRILOR DATE: 2000-06-28
NUMBER: OF SEQ ID NOS: 2
SOFTWARE: PATENTIN Ver. 2.1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   856 CSRRFYQLTKLLDSVQPIARELHQFTFDLLIKSHMVSVDFPEMMAEIISVQVPKILSGKV 915
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 246;
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Publication No. US20020197670a1

GENERAL INFORMATION:

TITLE OF INVENTION: MEMBRANE ASSOCIATED PROGESTERONE RECEPTOR
FILE REPRENEUCE: GHS-338

CURRENT APPLICATION NUMBER: US/09/887,280

CURRENT FILING DATE: 2001-09-17

PRIOR APPLICATION NUMBER: 60/213,340

PRIOR FILING DATE: 1000-06-22
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Pred. No. 4.2e-63;
0; Mismatches 7
248 RMYSQCVRMRHLSQEFGWLQITPQEFLCMKALLLFSI
                                                                                                                                Sequence 1, Application US/09885827
Patent No. US20020173445A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     25.3%;
97.2%;
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; ORGANISM: Homo sapiens
US-09-885-827-1
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SOFTWARE: Patentin Ver.
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241 KPIYFH 246
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LENGTH: 246
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; Sequence 11, Application US/09905176 US-09-905-176-11

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58 SVPDSAWRIMTTLNMLGGROVIAAVKWAKAILGIRNLHLDDOMTLLOYSWWFLMAFALGW 117
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: pig
US-10-052-092-31
                                                                                                                                                                                                                                                                                            RESULT 9
US-10-052-092-31
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                                                                            TITLE OF INVENTION: METHOD FOR DETERMINING THREE-DIMENSIONAL PROTEIN STRUCTURE TITLE OF INVENTION: PROTEIN SEQUENCE FILE REFERENCE: 265/297
CURRENT APPLICATION NUMBER: US/09/905,176
CURRENT FILING DATE: 2002-04-05
PRIOR APPLICATION NUMBER: US 60/218,016
PRIOR FILING DATE: 2000-07-12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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APPLICANT: Falaz, Soraya
APPLICANT: Pelaz, Soraya
APPLICANT: Oltta, Gary He University of California
APPLICANT: The Regents of the University of California
TITLE OF INVENTION: Combinations of Genes for Producing Seed Plants
TITLE OF INVENTION: Exhibiting Modulated Reproductive Development
FILE REFERENCE: 19452A-002400US
CURRENT APPLICATION NUMBER: US/09/853,450
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                                                                                                                                                                                                                                                                                                                                                   Length 215;
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44.1%; Pred. No. 7.9e-29;
iive 56; Mismatches 98;
                                                                                                                                                                                                                                                                                                                                                   Score 666; DB 10;
Pred. No. 1.2e-30;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               181 HDLVKQLHLYCLNTFIQSRALSVEFPEMMSEVIA 214
                                 GENERAL INFORMATION:
APPLICANT: CALLFORNIA INSTITUTE OF TECHNOLOGY
APPLICANT: Debe, Derek A.
                                                                                                                                                                                                                                                                                                                                                                                         50; Mismatches
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illarity 55.6%;
Conservative 5
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SOFTWARE: PatentIn version 3.1
SEQ ID NO 11
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NUMBER OF SEQ ID NOS: 61
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 20
LENGTH: 284
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Matches 126; Conservative
                  US20020150906A1
                                                                                                                                                                                                                                                                LENGTH: 215
TYPE: PRT
ORGANISM: Homo sapiens
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Matches 119; Conserv
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Best Local
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APPLICANT: Hopp, Torsten A.
APPLICANT: Hopp, Torsten A.
APPLICANT: O'Connell, Peter
TITLE OF INVENTION: Methods and Composition in Breast Cancer Diagnosis and Therape
FILE REFERENCE: PO2102US2
CURRENT APPLICATION NUMBER: US/10/052,092
CURRENT FILING DATE: 2002-01-18
PRIOR APPLICATION NUMBER: US 60/262,990
PRIOR APPLICATION NUMBER: US 60/304,018
PRIOR APPLICATION NUMBER: US 60/304,018
PRIOR FILING DATE: 2001-01-19
PRIOR FILING DATE: 2001-07-09
NUMBER OF SEQ ID NOS: 49
SOFTWARE: Patentin Version 3.1
SEQ ID NO 31
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                            653 TSPTEET----TQKLTVSHIEGYECQPI-----FLNVLEAIEPGVVCAGHDNNQPD
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                                                                                              816 LFSIIPVDGLKNQKFFDELRMNYIKELDRIIACKRKNPTSCSRRFYQLTKLLDSVQPIAR
RSFTNVNSRMLYFAPDLVFNEYRMHKSRMYSQCVRMRHLSQEFGWLQITPQEFLCMKALL
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                                                                                                                                                                                            501 TAPDVWYPGGMVSRVPY----PSPTCVKSEMGPWMDSYSGP-----
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                                                                                                                                                                                                                                                                                                                                                                     ; Sequence 31, Application US/10052092; Publication No. US20030027778A1; GENERAL INFORMATION:
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APPLICANT: Foqua, Suzanne
APPLICANT: Poqua, Suzanne
APPLICANT: Poqua, Torsten A.
APPLICANT: Hopp, Torsten A.
APPLICANT: O'Connell, Peter
TITLE OF INVENTION: Methods and Composition in Breast Cancer Diagnosis and Therape
TITLE OF INVENTION: Methods and Composition in Breast Cancer Diagnosis and Therape
FILE REFERENCE: PO2102025
CURRENT APPLICATION NUMBER: US 60/262,990
PRIOR PILING DATE: 2001-01-19
PRIOR FILING DATE: 2001-01-19
PRIOR FILING DATE: 2001-01-09
NUMBER OF SEQ ID NOS: 49
SOFTWARE: Patentin version 3.1
SEQ ID NO 9
TYPEL PRIOR PRIOR
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             381 PPPHPHARIKLENPLDYGSAWAAAAQCRYGDLASLHGAGAAGPGSGSPSAAASSSWHTL 440
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           818 S----IIPVDGLKNQKFFDELRMNYIKELDRIIACKRKNPTSCSRRFYQLTKLLDSVQPI
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9.7%; Score 478; DB 9; Length 595;
Best Local Similarity 26.6%; Pred. No. 1.4e-19;
Matches 148; Conservative 97; Mismatches 198; Indels 114;
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Sequence 9, Application US/10052092 Publication No. US20030027778A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      874 ARELHQFTFDLLIKSHM 890
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US-10-052-092-9
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US-10-052-092-13
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APPLICANT: Wake Forest University
APPLICANT: Wake Forest University
APPLICANT: Herrington, David M.
APPLICANT: Howard, Timothy D.
APPLICANT: Howard, Timothy D.
APPLICANT: Howers, Gregory A.
APPLICANT: Moyers, Deborah A.
TITLE OF INVENTION: GENETIC POLYMORPHISMS OF ESTROGEN RECEPTOR ALPHA ASSOCIATED WITH
TITLE OF INVENTION: FAVORABLE HDL CHOLESTEROL RESPONSE TO HORMONE REPLACEMENT THERAF
FILE REFERENCE: 9151-15
CURRENT PILLING NUMBER: US/10/081,563
CURRENT FILLING DATE: 2002-02-22
NUMBER OF SEQ ID NOS: 25
SOFTMARE: PATENTIN VERSION 3.1
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9.7%; Score 478; DB 9; Length 595;
Best Local Similarity 26.6%; Pred. No. 1.4e-19;
Matches 148; Conservative 97; Mismatches 198; Indels 114;
                                                                                                                                                              ; Sequence 2, Application US/10081563; Publication No. US20020187495A1; GENERAL INFORMATION:
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CORGANISM: Homo sapiens
US-10-081-563-2
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US-10-052-092-9
                                                                                                                      RESULT 12
US-10-081-563-2
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TILL OF INVENTION: Methods and Composition in Breast Cancer Diagnosis and Therape FILE REFERENCE: P02102US and Composition in Breast Cancer Diagnosis and Therape CURRENT APPLICATION NUMBER: US/10/052,092
CURRENT FILING DATE: 2000-01-18
PRIOR APPLICATION NUMBER: US 60/262,990
PRIOR PILING DATE: 2001-01-19
PRIOR FILING DATE: 2001-01-09
PRIOR FILING DATE: 2001-07-09
NUMBER: PARTING DATE: 2001-07-09
SOFTWARE: Patentin version 3.1
SEQ ID NO 14
LENGTH: S95
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9.7%; Score 478; DB 9; Length 595;
Best Local Similarity 26.6%; Pred. No. 1.4e-19;
Matches 148; Conservative 97; Mismatches 198; Indels 114;
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; ORGANISM: Human
US-10-052-092-14
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APPLICANT: Alired, D. APPLICANT: Alired, D. APPLICANT: Hopp, Torsten A. APPLICANT: Hopp, Torsten A. APPLICANT: O'CONNELL', Peter TITLE OF INVENTION: Methods and Composition in Breast Cancer Diagnosis and Therapeuti CURRENT APPLICATION NUMBER: US/10/052,092 CURRENT FILING DATE: 2002-01-18 PRIOR PILING DATE: 2001-01-19 PRIOR PILING DATE: 2001-01-19 PRIOR FILING DATE: 2001-01-19 PRIOR FILING DATE: 2001-01-09 PRIOR FILING DATE: 2001-07-09 PRIOR FILING DATE: 2001-07-09 SOFTWARE: PARTOR PRIOR FILING DATE: 2001-07-09 NUMBER OF SEQ ID NOS: 49 SOFTWARE: Patentin version 3.1
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26.6%; Pred. No. 1.4e-19;
tive 97; Mismatches 198; Indels 114;
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Publication No. US20030027778A1
GENERAL INFORMATION:
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Matches 148; Conservative
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APPLICANT: Fulled, D.
APPLICANT: HOPD, TOTSTEN
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; ORGANISM: human
US-10-052-092-13
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LENGTH: 595
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